

Abstract

A process and a device for biological treatment of a suspension in a bioreactor (2) are described. To circulate the suspension, at least some of the suspension is routed through a vertically aligned guide zone (5) so that a vertical flow of the suspension is produced. To control top scum problems, it is suggested that in the area of the suspension fill level, a fluid, especially a free liquid jet, be fed into the bioreactor (2) via at least one nozzle (13), so that the surface of the suspension and/or the top scum floating on the surface of the suspension is forced into rotary flow (Figure).